

## A P P E N D I X I:

CLAIM AMENDMENTS:

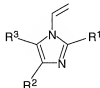
Cancel Claim 15, amend Claims 1 to 4, 9 to 14 and 16 to 19, and enter new Claims 20 to 25, as indicated in the following listing of the claims:

1. (Currently amended) A cosmetic or dermatological sunscreen preparation for protecting human skin against solar rays, comprising an effective amount of a mixture comprising components (A) and (B), wherein

A) is at least one copolymer obtained by

(i) free-radically initiated solution polymerization of a monomer mixture of

- (a) 0.01 to 99.99% by weight of at least one monomer chosen from the group consisting of  
N-vinylimidazoles of formula (I)



I

in which the radicals R<sup>1</sup> to R<sup>3</sup>, independently of one another, are hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkyl or phenyl, and diallylamines of formula (II)

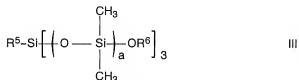


II

in which the radical R<sup>4</sup> is C<sub>1</sub>-C<sub>24</sub>-alkyl;

- (b) 0.01 to 99.99% by weight of at least one N-vinylacetamide;  
(c) 0 to 50% by weight of at least one unsaturated acid or an unsaturated anhydride;  
(d) 0 to 50% by weight of at least one free-radically copolymerizable monomer which is different from (a), (b) and (c); and

- (e) 0 to 10% by weight of at least one monomer having at least two ethylenically unsaturated nonconjugated double bonds which acts as crosslinker, and
- (ii) subsequent partial or complete quaternization or protonation of the polymer where the monomer (a) is not quaternized or only partially quaternized, and
- B) is, as inorganic UV filter, at least one micronized metal oxide chosen from the group consisting of titanium dioxide, zinc oxide, cerium oxide, aluminum oxide, silicon oxide, zirconium oxide, manganese oxide, aluminum oxide and iron oxide.
2. (currently amended) ~~A mixture as~~ The preparation claimed in claim 1, wherein the copolymer A) is obtained by solution polymerization in water.
3. (currently amended) ~~A mixture as~~ The preparation claimed in claim 1, wherein the monomer (e) is used in a weight amount of from 0.01 to 10%.
4. (currently amended) ~~A mixture as~~ The preparation claimed in claim 1, wherein the protonation according to (ii) takes place during the preparation of the mixture.
5. to 8. (canceled)
9. (currently amended) ~~A mixture as~~ The preparation claimed in claim 1, comprising, as inorganic UV filter B), at least one hydrophobized metal oxide chosen from the group consisting of titanium dioxide and zinc oxide.
10. (currently amended) ~~A mixture as~~ The preparation claimed in claim 9, in which the metal oxide has been coated with a silicone of the formula III



in which, independently of one another, R<sup>5</sup> is C<sub>1</sub>-C<sub>12</sub>-alkyl and R<sup>6</sup> is methyl or ethyl, and a is a value from 4 to 12.

11. (currently amended) ~~A mixture as~~ The preparation claimed in claim 1, wherein the proportion of inorganic UV filters is 0.1 to 99.9% by weight.

12. (currently amended) ~~A mixture as~~ The preparation claimed in claim 1, comprising at least one further organic UVA and/or UVB filter.
13. (currently amended) A process for the preparation of the cosmetic ~~and or dermatological preparations~~ preparation wherein a mixture is prepared as defined claimed in claim 1, which comprises preparing the mixture of components (A) and (B) and then optionally mixed mixing said mixture with other compounds.
14. (currently amended) The process as claimed in claim 13 ~~for producing cosmetic and dermatological preparations for protecting the human skin or human hair against solar rays~~, wherein the mixture of components (A) and (B) is prepared, and said mixture is then mixed with compounds which absorb in the UV region and which are known per se for cosmetic and pharmaceutical preparations.
15. (canceled)
16. (currently amended) A cosmetic or dermatological sunscreen preparation for protecting human skin against solar rays, comprising an effective amount of a mixture comprising components (A) and (B), wherein
- A) is at least one copolymer obtained by
- (i) free-radically initiated solution polymerization of a monomer mixture of
    - (a) 10 to 70% by weight of 3-methyl-1-vinylimidazolium methosulfate,
    - (b) 20 to 89.95% by weight of N-vinylpyrrolidone,
    - (c) 0.05 to 5% by weight of N,N'-divinylethylenurea, and
  - (ii) subsequent partial or complete quaternization or protonation of the polymer where the monomer (a) is not quaternized or only partially quaternized, and
- B) is 30 to 90% by weight, based on the solids content of the mixture, of at least one hydrophobicized metal oxide chosen from the group consisting of titanium dioxide and zinc oxide.
17. (currently amended) A process for protecting the human skin ~~or human hair~~ against solar rays, which comprises applying wherein an effective amount of a ~~cosmetic or dermatological~~ the preparation prepared according to the process claimed in claim 13 is applied claimed in claim 1 to the human skin ~~or human hair~~.

18. (*currently amended*) ~~A cosmetic or dermatological sunscreen~~ The preparation for ~~protecting the human skin or human hair against solar rays~~ claimed in claim 1, comprising one or more customary additives or solvents ~~and an effective amount of the mixture defined in claim 1.~~
19. (*currently amended*) The preparation defined in claim 18, wherein the mixture of components (A) and (B) constitutes from 0.001 to 30% by weight.
20. (*new*) A process for protecting the human skin against solar rays, which comprises applying an effective amount of the preparation claimed in claim 16 to the human skin.
21. (*new*) The preparation claimed in claim 16, comprising one or more customary additives or solvents.
22. (*new*) The preparation defined in claim 21, wherein the mixture of components (A) and (B) constitutes from 0.001 to 30% by weight.
23. (*new*) The preparation claimed in claim 16, comprising at least one further organic UVA and/or UVB filter.
24. (*new*) The preparation claimed in claim 1, which comprises component (A) in an amount which is effective to increase the sun protection factor by a factor of at least 1.1 to 3.0, as compared with a corresponding preparation comprising component (B) without component (A).
25. (*new*) The preparation claimed in claim 16, which comprises component (A) in an amount which is effective to increase the sun protection factor by a factor of at least 1.1 to 3.0, as compared with a corresponding preparation comprising component (B) without component (A).